BUREAU OF STATISTICS

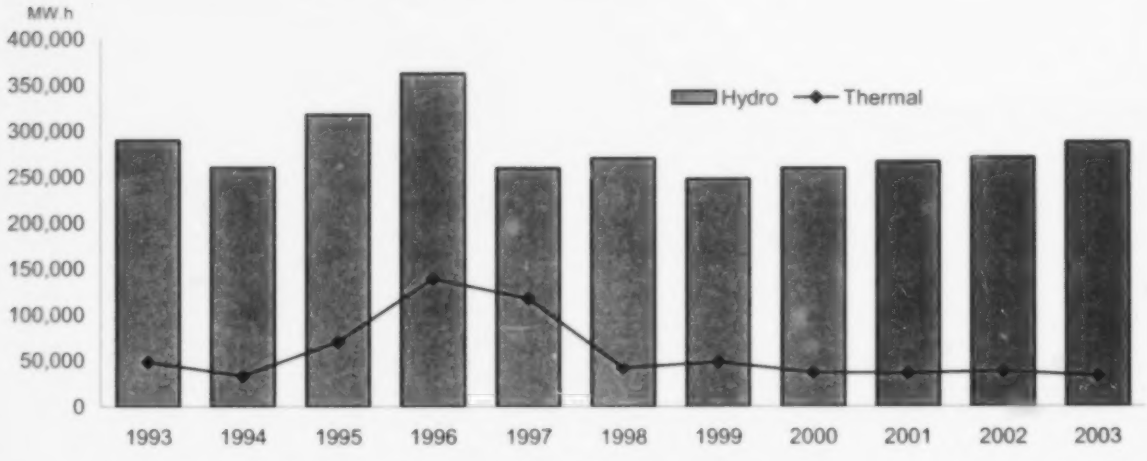
ENERGY FACTS

Electricity – *Generation*

How much electricity is generated in the Yukon, and who produces it?

	YUKON ELECTRICAL COMPANY		YUKON ENERGY CORPORATION			YUKON TOTAL		
	HYDRO	THERMAL	HYDRO	THERMAL	WIND	HYDRO	THERMAL	WIND
	(MW.h)			(MW.h)			(MW.h)	
2003	4,948	21,512	282,309	11,296	925	287,257	32,808	925
2002	8,118	21,824	262,259	16,176	1,100	270,377	38,000	1,100
2001	9,165	21,026	256,709	15,105	1,125	265,874	36,131	1,125
2000	6,930	20,963	252,134	16,026	394	259,064	36,989	394
1999	4,544	20,791	242,798	27,356	267	247,342	48,147	267
1998	5,561	20,013	264,450	21,802	259	270,011	41,815	259
1997	6,343	21,421	252,581	95,881	226	258,924	117,302	226
1996	6,641	20,788	355,391	118,111	221	362,032	138,899	221
1995	7,077	17,943	310,128	52,373	227	317,205	70,316	227
1994	10,181	20,193	249,753	12,945	243	259,934	33,138	243
1993	9,677	19,644	279,623	28,355	86	289,300	47,999	86

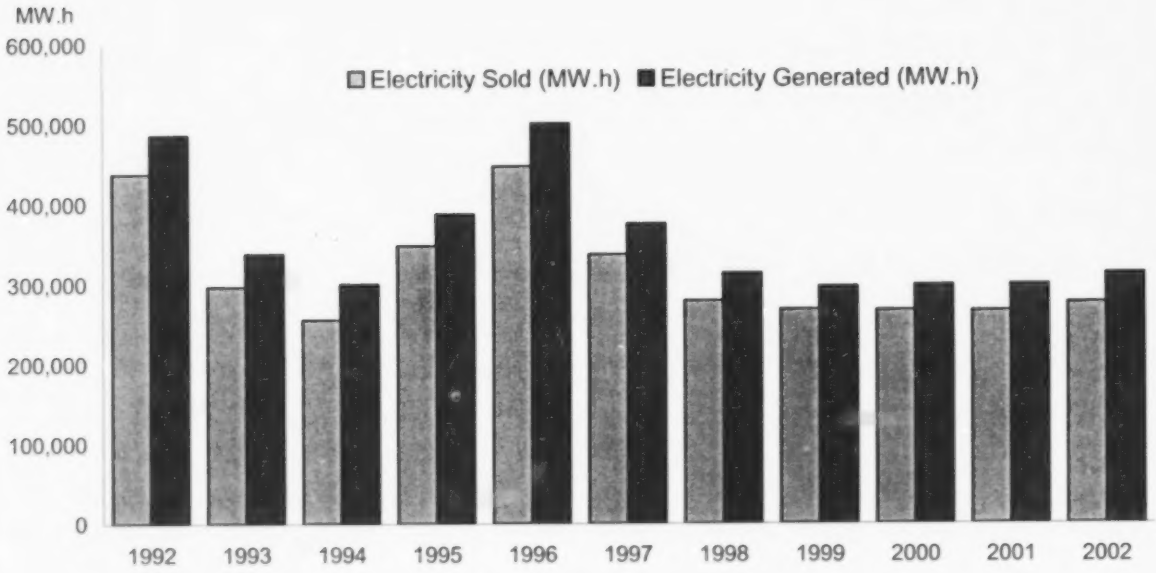
* *Hydro electricity*: Energy produced by utilizing the water flow in a river.
* *Thermal electricity*: Energy produced by generators which run on petroleum products (e.g., diesel).
* *Wind electricity*: Wind generator at Haeckel Hill, Whitehorse, went into service in the fall of 1993. A second wind generator was added in October 2000.



Source: Yukon Electric Company and Yukon Energy Corporation.

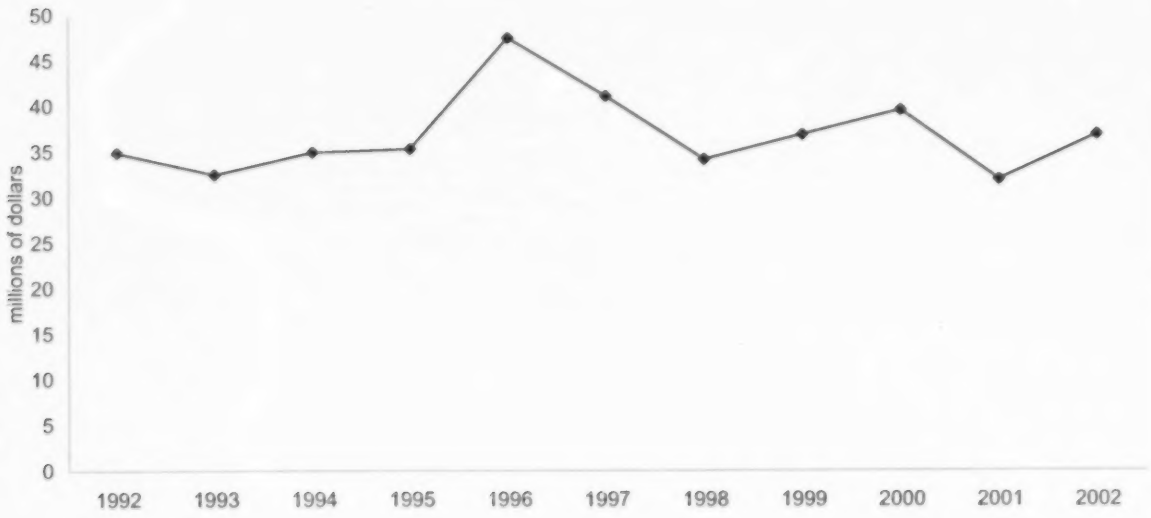
Electricity – *Consumption*

How much electricity is generated and sold in the Yukon?



Source: Statistics Canada catalogue no. 57-202

What is the dollar value of electricity sold in the Yukon?



Source: Statistics Canada catalogue no. 57-202

105-01502/

Electricity – *Cost*

How much does the Yukon residential sector pay for electricity compared to the rest of Canada?

	Average Annual Bill ($)		Consumption Per Customer (KW.h)		Cost Per KW.h (cents)	
	Canada	**Yukon**	**Canada**	**Yukon**	**Canada**	**Yukon**
2002	930.67	1,302.30	12,225	9,434	7.61	13.80
2001	903.60	1,034.40	12,131	9,362	7.45	11.05
2000	889.59	1,388.28	11,970	9,761	7.43	14.22
1999	884.22	1,253.84	12,016	9,702	7.36	12.92
1998	862.83	1,116.12	11,786	9,564	7.32	11.67
1997	890.85	1,129.73	12,339	9,815	7.22	11.51
1996	899.00	1,224.82	12,579	10,604	7.15	11.55
1995	890.69	1,168.79	12,308	10,095	7.23	11.57
1994	907.59	1,223.57	12,570	10,349	7.22	11.82
1993	902.12	968.16	12,725	10,950	7.08	8.84
1992	867.58	883.48	12,830	11,055	6.76	7.99

Source: Statistics Canada catalogue no. 57-202.

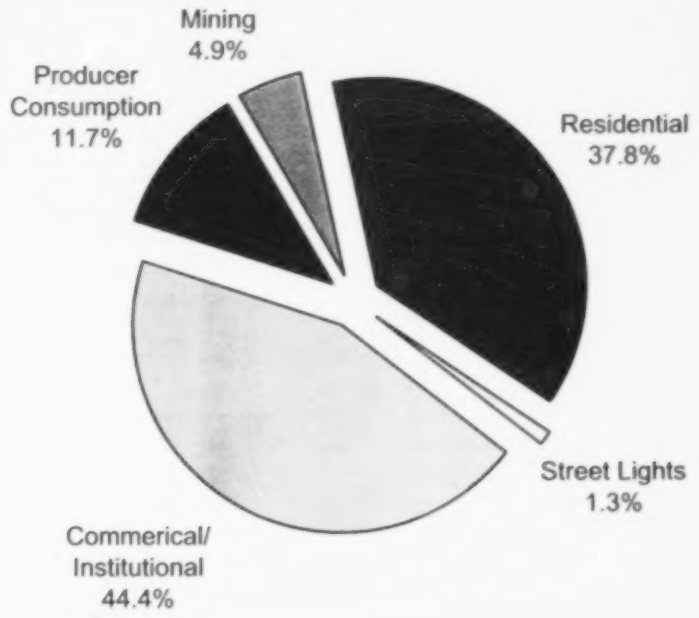
This table shows that the average annual electricity bill in the Yukon was $1,302.30 in 2002, an increase of $267.90, or 25.9%, over 2001. Comparing the Yukon to Canada, the Yukon average is $371.63, or 39.9%, more than the Canadian average of $930.67. On average, Yukoners consume annually 9,434 KW.h of electricity, 22.8% less than the Canadian average of 12,225 KW.h.

Electricity – *Distribution*

How much electricity is consumed by different sectors?

This chart shows the five sectors that consume electrical power in the Yukon. Their consumption is expressed as a percentage of the Yukon total electrical generation of 312,118 MW.h in 2002.

Source: Statistics Canada catalogue no. 57-202.



Refined Petroleum Products

What are the domestic sales of motor gasoline?

MONTH	Total Sales	Regular Unleaded Gas	Mid-grade Unleaded Gas	Premium Unleaded Gasoline	Total Retail Sales
2003	cubic metres				
January	2,775	2,497	32	246	1,988
February	2,616	2,410	31	175	1,874
March	2,834	2,139	517	178	2,031
April	3,104	2,890	31	183	2,088
May	3,879	3,653	32	194	2,610
June	5,591	5,186	43	362	3,955
July	6,310	5,839	45	426	5,123
August	5,312	4,663	272	377	4,313
September	3,754	3,476	26	252	3,048
October	2,754	2,552	28	174	1,873
November	3,064	2,852	19	193	2,084
December	2,708	2,424	35	249	1,842
Total	44,701	40,581	1,111	3,009	32,829

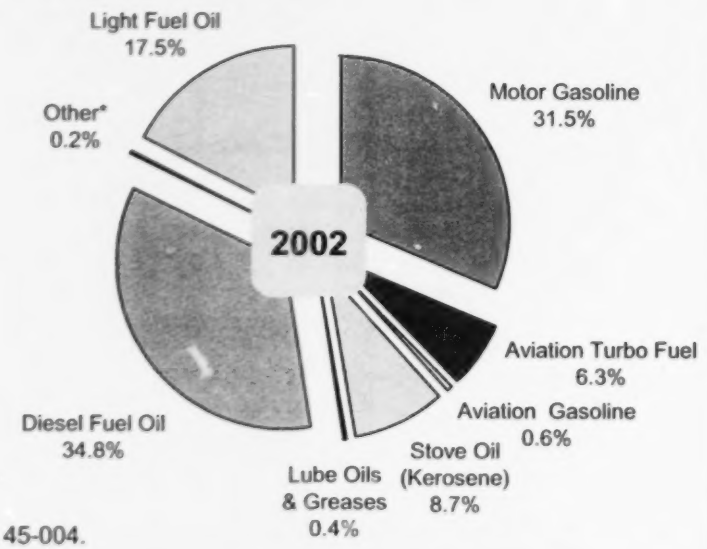
Note: Total sales of motor gasoline are the total sales in the Yukon Territory.
Retail sales of motor gasoline represent the sales conducted by retail service stations only.

Source: Statistics Canada catalogue no. 45-004.

Refined Petroleum Products – *Distribution*

What are the domestic sales of petroleum products?

This chart shows the distribution of the eight types of petroleum products sold in the Yukon. Each product is expressed as a percentage of the total petroleum distribution of 142,105 cubic metres in 2002.



Note: *Other includes heavy fuel oil, naphtha specialties and asphalt.

Source: Statistics Canada catalogue no. 45-004.

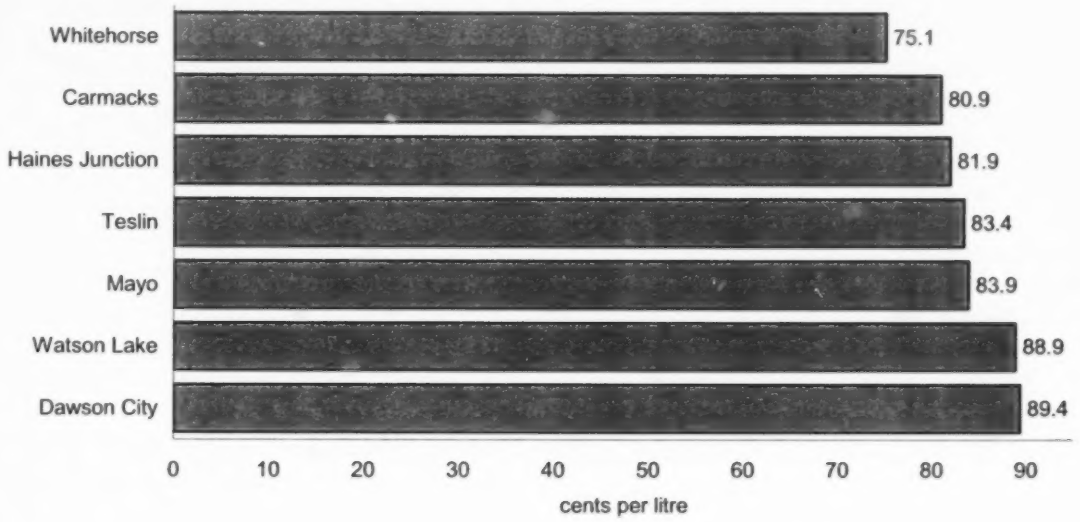
Petroleum Prices

What was the average price of regular gasoline and diesel fuel in Yukon communities in December 2003?

	--- Full-service Stations ---		--- Self-service Stations ---	
	Unleaded Gasoline	Diesel	Unleaded Gasoline	Diesel
Communities	cents/litre		cents/litre	
Carmacks	..	..	80.9	77.2
Dawson City	..	..	89.4	81.5
Faro	90.9	84.9	..	..
Haines Junction	..	..	81.9	77.9
Mayo	86.9	78.9	83.9	79.9
Teslin	..	..	83.4	78.4
Watson Lake	89.9	77.9	88.9	76.3
Whitehorse	76.1	74.6	75.1	73.2

Source: Yukon Bureau of Statistics, *Fuel Survey*.

What was the average price of self-serve regular unleaded gasoline in the various Yukon communities in December 2003?



Source: Yukon Bureau of Statistics, *Fuel Survey*.

Per Capita Gasoline Consumption

How much motor gasoline do Yukoners consume in comparison to the rest of Canada?

	Domestic Sales of Motor Gasoline in 2003	Population in 2003*	Annual Consumption Per Person	Daily Consumption Per Person
Canada	40,228,905 m^3	31,660,466	1.271 m^3	3.48 litres
Yukon	44,701 m^3	30,554	1.463 m^3	4.01 litres

* = population figures are updated postcensal estimates.

This table shows that during 2003 the per capita consumption of motor gasoline in the Yukon was 4.01 litres per day, or 15.2% higher than the national average of 3.48 litres per day.

Source: Statistics Canada catalogue no. 45-004.

Heating Methods

What was the principal heating equipment used in Canada in 2002?

Estimated No. of Housholds Reporting	Steam or Hot Water Furnaces	Hot Air Furnaces		Heating Stoves	Electric Heating[1]	Other[2]
		Forced	Other			
12,021,000	1,617,000	6,297,000	281,000	515,000	3,267,000	44,000
100.0%	13.5%	52.4%	2.3%	4.3%	27.2%	0.4%

1. Includes permanently installed baseboard electric heating as well as other types such as floor or ceiling heating wires, in all or most rooms.
2. Includes cookstoves and any other type of heating equipment not otherwise listed.

What was the principal heating fuel used in Canada in 2002?

Estimated No. of Housholds Reporting	Oil or Other Liquid Fuel[1]	Piped Gas	Bottled Gas	Electricity	Wood	Other[2]
12,021,000	1,507,000	5,905,000	130,000	3,797,000	631,000	51,000
100.0%	12.5%	49.1%	1.1%	31.6%	5.2%	0.4%

1. Includes kerosene. 2. Includes coal or coke.

Source: Statistics Canada CANSIM, Table no. 203-0019.
Note: Data may not sum to totals due to rounding.

Energy Price Index

How has the price of energy changed over the past ten years in Whitehorse and in Canada?

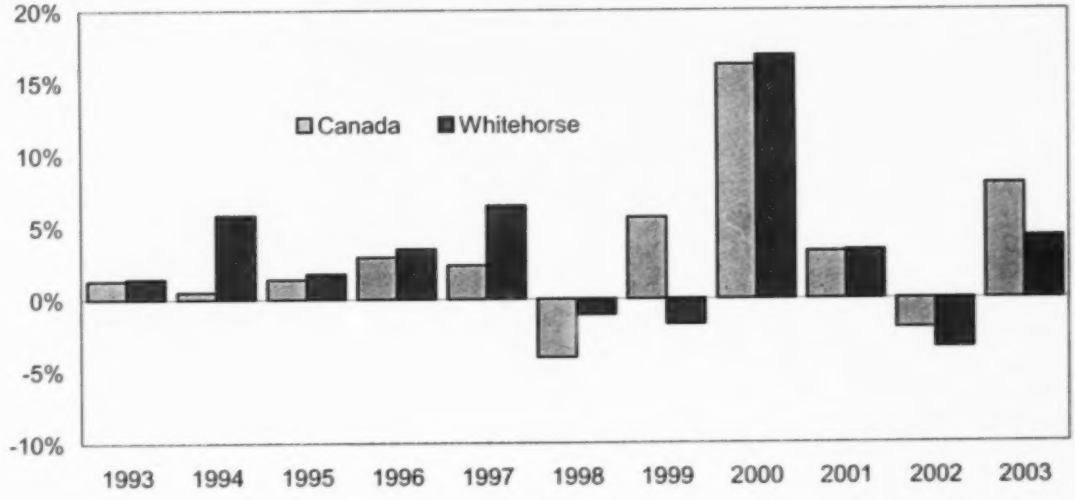
Consumer Price Index
Energy Aggregate, 1992 = 100

	Canada	Whitehorse
2003	139.9	142.2
2002	129.6	136.4
2001	132.3	141.2
2000	128.1	136.6
1999	110.2	116.9
1998	104.3	119.0
1997	108.7	120.3
1996	106.2	113.0
1995	103.2	109.2
1994	101.8	107.3
1993	101.3	101.4

(*For example*: The consumer price index energy aggregate for Whitehorse for 2003 was 142.2 (1992 =100). This means that energy prices were 40.2% higher in 2003 compared with 1993.)

Source: Statistics Canada CANSIM, Table no. 326-0002.
Note: The "Energy Aggregate" includes electricity, natural gas, fuel oil, gasoline and fuel parts/supplies for recreational vehicles.

By what percentage has the price of energy changed from year to year in Canada and Whitehorse?



Source: Statistics Canada CANSIM, Table no. 326-0002.

Fuel Oil Costs

How expensive is household heating fuel in Whitehorse compared to other Canadian cities?

	Whitehorse	Vancouver	Toronto	Yellowknife
	---------- cents per litre ----------			
January '04	64.2	60.5	58.9	55.0
January '03	65.2	61.2	60.9	55.9
January '02	53.4	49.0	47.5	42.1
January '01	65.9	61.7	64.6	56.3
January '00	47.4	50.4	48.0	47.7
January '99	40.1	40.6	37.1	32.6
January '98	46.9	43.4	42.7	37.3
January '97	44.7	44.1	44.4	42.4
January '96	41.6	41.5	39.2	37.7
January '95	42.3	41.5	38.3	38.5
January '94	42.5	41.5	37.9	38.8

Source: Statistics Canada CANSIM, Table no. 326-0009

This information sheet provides summary statistics on energy consumption, petroleum products and energy costs in the Yukon. Data was collected from a variety of sources, including the Yukon Government and Statistics Canada.

LEGEND

KW	Kilowatt = 1,000 watts
MW	Megawatt = 1,000,000 watts
KW.h	Kilowatt Hour = One kilowatt of power used for one hour.
MW.h	Megawatt Hour = One megawatt of power used for one hour.
m^3	Cubic metre = 1,000 litres
..	Figures not available
%	Percentage

Yukon
Executive Council Office
Bureau of Statistics

Information sheet no. 59.07—2004.12

Additional Information:
Government of Yukon
Executive Council Office
Bureau of Statistics (A-8C)
Box 2703, Whitehorse, Yukon Y1A 2C6
Telephone: (867) 667-5640; Fax: (867) 393-6203
E-mail: ybsinfo@gov.yk.ca
Website: www.gov.yk.ca/depts/eco/stats/index.html